



THE STRESS FREE BONDING



Proudly made in India

TECHNICAL DATA SHEET

ESSRBOND MS 50

SR3/TDS/014, Date : NOV - 2015

(High Modulus MS Polymer Sealant)

DESCRIPTION

ESSRBOND MS 50 is a one component, high performance sealant based on advance MS Polymer Technology. It is Solvent, Silicone and Isocyanate Free and Non staining for natural stones application. It has an excellent UV, weather and temperature resistance. It has excellent adhesion over a wide variety of substrates and is paintable with most common industrial paints. This sealant has been specifically formulated as a non staining sealant and for application to difficult substrates associated with modern facade construction

FEATURES

- ◆ Fast cure
- ◆ Abrasion resistant including foot traffic
- ◆ Excellent application characteristic
- ◆ High strength adhesive bond
- ◆ Excellent adhesion to a wide variety of substrates
- ◆ Good primer less adhesion on many common construction substrates
- ◆ Permanently flexible
- ◆ No shrinkage
- ◆ Non staining including Hydrophobic staining
- ◆ Damp surface tolerant
- ◆ Low dirt pick up
- ◆ High movement accommodation
- ◆ High UV and aggressive atmosphere resistance
- ◆ Environmental friendly



TECHNICAL PROPERTIES

PROPERTIES	RESULT
Base	MS Polymer
Curing System	Moisture Curing
Color	White
Density	1.54 g/cc
Skin Over Time	10 - 15 Min
Curing Time @23°C / 50% RH	3 - 4 mm / 24 Hr
Tensile strength	Approx. 2.5 Mpa
Elongation at break	Approx. 300 %
Shore A Hardness	Approx. 50
VOC Content	< 3%
Maximum Joint Width	50 mm
Movement Accommodation Factor	25%
Application Temperature	5°C to 40°C
Service Temperature	-30°C to 100°C



THE STRESS FREE BONDING



Proudly made in India

TECHNICAL DATA SHEET

ESSRBOND MS 50

SR3/TDS/014, Date : NOV - 2015

(High Modulus MS Polymer Sealant)

APPLICATION INSTRUCTIONS

- Ensure that all surface area clean, dry & free from all loose dirt, dust oil grease or any other containment. This may impair adhesion. Metal surface should be cleaned & degreased.
- The tip of the nozzle is cut according to the width of the surface and fixed to the applicator.
- The Sausage package is cut from one edge and fixed to a suitable gun.
- The joints should be filled at one time and without gaps during the application.
- The surface of sealant applied in the joints should be smoothened with a dampened spatula or by hand immediately before skin formation.
- If used, the adhesive tape should be removed afterwards.
- The opened packages should be consumed as quickly as possible.
- The contaminate areas and used tools should be cleaned with white spirit or alcohol within 10 minutes. It is cleaned only mechanically after cured.
- Joint width/depth ratio should be 2:1.

APPLICATION PRINCIPLES

It is specially formulated for structural joint that will be subjected to dynamic stresses. It is used for making permanent high strength elastic bonding in construction, Automotive, Industrial and marine. applications Ideal for bonding of metal (Stainless Steel, Aluminum, Copper etc.), Rubber (Natural rubber, Synthetic rubber, Natural materials (Wood, Plywood, Leather, Cloths, Paperboard etc.) & Inorganic (Concrete, Mortar, Natural Stone, Tile, Glass, porcelain etc.) FRP and plastics (Nylon, PVC, ABS, Polycarbonate etc.), It can also be used to bond on wet surfaces (even underwater)

SAFETY PRECAUTION

Uncured adhesive / sealant causes skin and eyes irritations upon contact.

- ♦ Avoid contact with eyes, skin and mouth.
- ♦ In case of contact with eyes, flush with water immediately for 15 minutes. If irritation persists, seek medical attention
- ♦ Keep out of reach of children. Use in well ventilated areas.

STORAGE

Store in a dry and cool place with temperature below +30°C.

SHELF LIFE

12 Month from date of manufacturing in above storage condition

PACKING

ESSRBOND MS 50 is supplied in 600ml Aluminum foil Sausage, 10 pcs packed in one box.



NOTE

The company's products are sold subject to the Company's standard terms and conditions of sale. Products are warranted against defective materials and workmanship. The company makes every effort to ensure that all the information, recommendations or the specifications provided by it are accurate and true. However as the company has no control over the conditions of use, it cannot accept any liability, either directly or indirectly regarding the usage of its products. Product specifications are subject to change without prior intimation to users as the products are being continuously upgraded.